

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** ( Not for submission under 37 CFR 1.99)

Application Number	10811373
Filing Date	2004-03-26
First Named Inventor	Thomas RUECKES
Art Unit	2826
Examiner Name	E. A. Rodela
Attorney Docket Number	0112020.00148US2

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/ER/	1	5414654		1995-05-09	Kubota et al.		
	2	5682345		1997-10-28	Roohparvar et al.		
	3	5818748		1998-10-06	Bertin et al.		
	4	6097241		2000-08-01	Bertin et al.		
	5	6097243		2000-08-01	Bertin et al.		
	6	6136160		2000-10-24	Hrkut et al.		
	7	6345362		2002-02-05	Bertin et al.		
/ER/	8	6346846		2002-02-12	Bertin et al.		

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/ER/	9	6353552	A1	2002-03-05	Sample et al.	
	10	6373771		2002-04-16	Fifield et al.	
	11	6423583		2002-07-23	Avouris et al.	
	12	6426687		2002-07-30	Osborn	
	13	6528020		2003-03-04	Dai et al.	
	14	6625047	A1	2003-09-23	Coleman, Jr.	
	15	6625740		2003-09-23	Datar et al.	
	16	6661270		2003-12-09	Nagata	
	17	6707098		2004-03-16	Hofmann et al.	
✓	18	6794914		2004-09-21	Sani et al.	
/ER/	19	6809462		2004-10-26	Pelrine et al.	

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/ER/	20	6918284	B2	2005-07-19	Snow et al.	
	21	6919740	A1	2005-07-19	Snider	
	22	6955937		2005-10-18	Burke et al.	
	23	6968486		2005-11-22	Matsushima	
	24	6969651		2005-11-29	Lu et al.	
	25	6986962	A1	2006-01-17	Oyanagi et al.	
	26	7015500	A1	2006-03-21	Choi et al.	
/ER/	27	7054194	A1	2006-05-30	Liaw et al.	

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/ER/	1	20020173083	A1	2002-11-21	Avouris et al.	

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/ER/	2	20030021141	A1	2003-01-30	Segal et al.	
	3	20030021966	A1	2003-01-30	Segal et al.	
	4	20030022428	A1	2003-01-30	Segal et al.	
	5	20030124837	A1	2003-07-03	Rueckes et al.	
	6	20030132823	A1	2003-07-17	Hyman et al.	
	7	20030177450	A1	2003-09-18	Nugent	
	8	20030198812	A1	2003-10-23	Rueckes et al.	
	9	20030199172	A1	2003-10-23	Rueckes et al.	
	10	20030200521	A1	2003-10-23	DeHon et al.	
	11	20030206436	A1	2003-11-06	Eaton et al.	
/ER/	12	20030234407	A1	2003-12-25	Vogeli et al.	

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/ER/	13	20030236000	A1	2003-12-23	Vogeli et al.	
	14	20040023514	A1	2004-02-05	Moriya et al.	
	15	20040041154	A1	2004-03-04	Watanabe et al.	
	16	20040075125	A1	2004-04-22	Asao	
	17	20040075159	A1	2004-04-22	Vogeli	
	18	20040077107	A1	2004-04-22	Vogeli	
	19	20040087162	A1	2004-05-06	Vogeli	
	20	20040104129	A1	2006-05-30	Gu et al.	
	21	20040238907	A1	2004-12-02	Pinkerton et al.	
	22	20050035344	A1	2005-02-17	Bertin et al.	
/ER/	23	20050035367	A1	2005-02-17	Bertin et al.	

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/ER/	24	20050035786	A1	2005-02-17	Bertin et al.	
	25	20050035787	A1	2005-02-17	Bertin et al.	
	26	20050036365	A1	2005-02-17	Bertin et al.	
	27	20050037547	A1	2005-02-17	Bertin et al.	
	28	20050052894	A1	2005-03-10	Segal et al.	
	29	20050053525	A1	2005-03-10	Segal et al.	
	30	20050056825	A1	2005-03-17	Bertin et al.	
	31	20050056866	A1	2005-03-17	Bertin et al.	
	32	20050058590	A1	2005-03-17	Sen et al.	
	33	20050058797	A1	2005-03-17	Sen et al.	
/ER/	34	20050058834	A1	2005-03-17	Rueckes et al.	

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/ER/	35	20050059176	A1	2005-03-17	Rueckes et al.	
	36	20050059210	A1	2005-03-17	Rueckes et al.	
	37	20050062035	A1	2005-03-24	Bertin et al.	
	38	20050062062	A1	2005-03-24	Bertin et al.	
	39	20050062070	A1	2005-03-24	Bertin et al.	
	40	20050063210	A1	2005-03-24	Segal et al.	
	41	20050063244	A1	2005-03-24	Bertin et al.	
	42	20050065741	A1	2005-03-24	Segal et al.	
	43	20050068128	A1	2005-03-31	Yip	
✓	44	20050074926	A1	2005-04-07	Bertin et al.	
/ER/	45	20050101112	A1	2005-05-12	Rueckes et al.	

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/ER/	46	20050128788	A1	2005-06-16	Segal et al.	
	47	20050139902	A1	2005-06-30	Jung	
	48	20050141266	A1	2005-06-30	Jung	
	49	20050141272	A1	2005-06-30	Jung	
/ER/	50	20050162896	A1	2005-07-28	Jung	

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1 /ER/	1	03/091486	WO		2003-11-06	Nantero, Inc.		<input type="checkbox"/>
2	2	04/065655	WO		2004-08-05	Nantero, Inc.		<input type="checkbox"/>
3	3	04/065671	WO		2004-08-05	Nantero, Inc.		<input type="checkbox"/>
4 /ER/	4	2004-090208	JP		2004-03-24	Fuji Xerox Co. Ltd.		<input type="checkbox"/>

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/ER/	1	BERNHOLC et al., "Mechanical and electrical properties of nanotubes", Ann. Rev. Mater. Res., Vol. 32, p. 347, 2002	<input type="checkbox"/>
	2	BRADLEY, K. et al., "Flexible Nanotube Electronics", Nano Letters, Vol. 3, No. 10, pp. 1353-1355. 2003	<input type="checkbox"/>
	3	COLLINS, et al., "Engineering Carbon Nanotubes and Nanotube Circuits Using Electrical Breakdown, Science, Vol. 292, pp 706-709, April 2001	<input type="checkbox"/>
	4	MARTEL, R., et al, "Carbon Nanotube Field-Effect Transistors and Logic Circuits," DAC 2002, 10-12 June 2002, Vol. 7.4, pp. 94-98	<input type="checkbox"/>
	5	ONOA et al., "Bulk Production of singly dispersed carbon nanotubes with prescribed lengths", Nanotechnology, Vol. 16, pp. 2799-2803, 2005	<input type="checkbox"/>
/ER/	6	STADERMANN, M. et al., "Nanoscale study of conduction through carbon nanotube networks", Phys. Rev. B 69 , 201402(R), 2004	<input type="checkbox"/>

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Application Number	11033087
Filing Date	2005-01-10
First Named Inventor	Claude L. BERTIN
Art Unit	2811
Examiner Name	C. Q. Nguyen
Attorney Docket Number	0112020.00149US2

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/ER/	1	20050269554	A1	2005-12-08	Sen et al.	
	2	20050270824	A1	2005-12-08	Bertin et al.	
	3	20050279988	A1	2005-12-22	Bertin	
	4	20050280436	A1	2007-01-16	Bertin	
/ER/	5	20050280436	A1	2007-01-16	Bertin	

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/ER/	6	20050281084	A1	2005-12-22	Rueckes et al.	
	7	20050282515	A1	2005-12-22	Bertin	
	8	20050282516	A1	2005-12-22	Bertin	
	9	20060044035	A1	2007-01-09	Bertin	
	10	20060061389	A1	2006-03-23	Bertin	
	11	20060125033	A1	2006-06-15	Segal et al.	
	12	20060128049	A1	2006-09-26	Jaiprakash et al.	
	13	20060183278	A1	2006-08-17	Bertin et al.	
	14	20060193093	A1	2006-08-31	Bertin et al.	
	15	20060204427	A1	2006-09-14	Ghenciu et al.	
/ER/	16	20060231865	A1	2006-10-19	Rueckes et al.	

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/ER/	17	20060237805	A1	2006-10-26	Segal et al.	
	18	20060237857	A1	2006-10-26	Bertin et al.	
	19	20060250843	A1	2006-11-09	Bertin et al.	
	20	20060250856	A1	2006-11-09	Bertin et al.	
	21	20060255834	A1	2007-01-23	Bertin	
	22	20060276056	A1	2006-12-07	Ward et al.	
/ER/	23	20070015303	A1	2007-01-18	Bertin et al.	

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